Amendments to the Claims:

1-21. (Canceled)

22. (Currently Amended) A proteinaceous chimeric receptor, said receptor comprising (a) an extracellular portion which includes a CD4 ~~domain~~ portion that specifically recognizes and binds HIV or an HIV-infected cell, wherein said CD4 portion is projected away from the membrane of a cell bearing said receptor by at least 48 angstroms, and wherein said extracellular portion ~~but which~~ does not mediate HIV infection, (b) a transmembrane portion, and (c) an intracellular portion which signals a cell bearing said receptor to destroy a receptor-bound HIV or HIV-infected cell.

23. (Previously Presented) The receptor of claim 22, wherein said CD4 portion consists of amino acids 1-394 of SEQ ID NO: 29.

24. (Previously Presented) The receptor of claim 22, wherein said CD4 portion consists of amino acids 1-200 of SEQ ID NO: 31.

25. (Previously Presented) The receptor of claim 22, wherein said transmembrane portion comprises the CD7 transmembrane domain of SEQ ID NO: 35.

26. (Currently Amended) The receptor of claim 22, wherein said extracellular portion further comprises the IgG1 hinge, CH2, and CH3 domains of ~~SEQ ID NO: 32~~ SEQ ID NO: 33.

27. (Canceled)

28. (Currently Amended) The receptor of ~~claim 27~~ claim 22, wherein said CD4 portion is projected away from the membrane of a cell bearing said receptor by at least 72 angstroms.

29. (Previously Presented) The receptor of claim 22, wherein said intracellular portion is the signal-transducing portion of a T cell receptor protein, a B cell receptor protein, or an Fc receptor protein.

30. (Previously Presented) The receptor of claim 29, wherein said T cell receptor protein is ζ.